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Pat. Pub. 920,927

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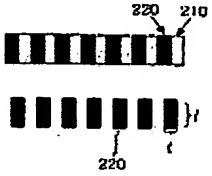
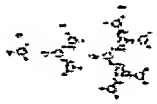
Simple Drawing (1 - 2 of 2) Application No.

	No.	Drawing	Application No.	Status	Title of invention	IPC
☐	1		1020020072671	Registered	FE-BASED METAL OXIDE ELECTRODE MATERIAL FOR ELECTROCHEMICAL CAPACITOR AND FABRICATING METHOD THEREOF	H01L 27/1
☐	2		1020010012626	Registered	METAL NANOPARTICLES STABILIZED BY DENDRON OR DENDRON DERIVATIVES AND METHOD FOR MANUFACTURING THE SAME	B82B 1/0

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POSTECH FOUNDATION

DERWENT-ACC-NO: 2003-164446

DERWENT-WEEK: 200458

TITLE: Metal **nanoparticles stabilized by dendron or dendron** derivatives and method for manufacturing the same

INVENTOR: JUN, U S; JUN, Y M ; KIM, G M ; KIM, M G ; JEON, W S ; JEON, Y M

PATENT-ASSIGNEE: POSTECH FOUND [POSTN] , UNIV POHANG SCI & TECHNOLOGY [UYPON]

PRIORITY-DATA: 2001KR-0012626 (March 12, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 429905 B	May 3, 2004	N/A	000	B82B 001/00
KR 2002072671 A	September 18, 2002	N/A	001	B82B 001/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR 429905B	N/A	2001KR-0012626	March 12, 2001
KR 429905B	Previous Publ.	KR2002072671	N/A
KR2002072671A	N/A	2001KR-0012626	March 12, 2001

INT-CL (IPC): B82B001/00

ABSTRACTED-PUB-NO: KR2002072671A

BASIC-ABSTRACT:

NOVELTY - Metal **nanoparticles** having quite constant particle size by using **dendron or dendron** derivatives as **stabilizing** ligands in

synthesis of the metal **nanoparticles** are provided, and a method for synthesizing the metal **nanoparticles** is provided.

DETAILED DESCRIPTION - The metal **nanoparticles** the surface of which is **stabilized by dendron-thiol or dendron-thiol** derivatives of the following chemical formula 1, where R is selected from the group consisting of hydrogen, aromatic, and alkyl group, alkyl hydroxy group, alkoxy group and alkene group having carbon atoms of 1 to 20, and n is an integer of 1 to 20. The method for manufacturing the metal **nanoparticles** comprises the steps of dissolving and dispersing metal contained salts; mixing a phase transition reagent; reacting the surface of metal by adding **dendron-thiol or dendron-thiol** derivatives of the following chemical formula 1.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: METAL STABILISED DERIVATIVE METHOD MANUFACTURE

DERWENT-CLASS: Q68